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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SERIAL NO.: 256,689
FILING DATE: October 12, 1988
APPLICANT: CHARLES T. CASKEY, ET AL
TITLE: MULTIPLEX GEONOMIC DNA
AMPLIFICATION FOR DELETION
DETECTION

§ DOCKET D-5050
§
§ GR. ART UNIT: 187
§
§ EXAMINER:
§ A. Marschel.
§

Hon. Commissioner of Patents
and Trademarks
Washington, D.C. 20231

I hereby certify that this correspondence is being
deposited with the United States Postal Service
first class mail in an envelope addressed to the
owner of the patent and trademark.

20231 on July 26, 1990

Thomas D. Paul

Registered Professional

AFFIDAVIT

Dear Sir:

Pat Clark 7/26/90
Signature Date

BEFORE ME, the undersigned Notary, appeared JEFFREY S.
CHAMBERLAIN, Ph.D., Assistant Professor, Department of Human
Genetics, University of Michigan Medical School, Medical
Science II M4708, Ann Arbor, Michigan 48109-0618 and one of the
Applicants of the above-identified application.

Affiant states that the above-identified application
as claimed in claims 1-8 was made by Charles T. Caskey,
Richard A. L. Gibbs, Joel E. Ranier, Phi Nga Nguyen and himself
prior to the publication of Kogan, et al, 317:985-990 (1987),
New England Journal of Medicine. Affiant states further that
they conceived of the multiplex assay prior to the Kogan
publication and from their conception until the reduction of
practice diligently worked on reducing the invention to
practice. The enclosed documents are from research reports
pre-dating the Kogan publication. The time in reducing the
practice included designing the experiments, isolating and
identifying human genomic clones, and obtaining required DNA
sequence data, synthesizing the necessary probes and developing
the necessary assays.

Affiant further states that he has no knowledge of and
does not believe that, the invention has been in public use or
on sale in this country or patented or disclosed in a printed
publication in this or any foreign country for more than one
year prior to the application and that he and the co-inventors
have never abandoned the invention.

Affiant states that the research reports and lab material attached to this Affidavit show conception of the idea prior to the publication of Kogan, et al, and show that they have diligently worked to reduce the invention to practice.

Jeffrey S. Chamberlain
JEFFREY S. CHAMBERLAIN, Ph.D.

THE STATE OF MICHIGAN
COUNTY OF Washtenaw

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This instrument was acknowledged by JEFFREY S. CHAMBERLAIN, Ph.D., on the 26th day of July, 1990.

Glenn K. Deasy
Notary Public in and for
the State of Michigan

My Commission Expires:
July 18, 1992

